

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-51282-1

Client Project/Site: Compton, CA

For:

CBS Corporation

20 Stanwix Street

Pittsburgh, Pennsylvania 15222-1384

Attn: Mr. Leo M. Brausch



Authorized for release by:

6/2/2015 9:38:16 PM

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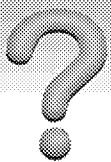
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Definitions/Glossary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

### Qualifiers

#### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Case Narrative

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Job ID: 240-51282-1

Laboratory: TestAmerica Canton

## Narrative

### CASE NARRATIVE

Client: CBS Corporation

Project: Compton, CA

Report Number: 240-51282-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

### RECEIPT

The samples were received on 5/29/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

### POLYCHLORINATED BIPHENYLS (PCBS)

Samples WP-32-R (240-51282-1), WP-139 (240-51282-2), WP-141 (240-51282-3) and WP-142 (240-51282-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 05/29/2015 and analyzed on 06/01/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Method Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN

## Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

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# Sample Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-51282-1	WP-32-R	Wipe	05/21/15 23:04	05/29/15 10:00
240-51282-2	WP-139	Wipe	05/22/15 20:05	05/29/15 10:00
240-51282-3	WP-141	Wipe	05/22/15 20:07	05/29/15 10:00
240-51282-4	WP-142	Wipe	05/22/15 20:23	05/29/15 10:00

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## Detection Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-32-R

Lab Sample ID: 240-51282-1

☐ No Detections.

Client Sample ID: WP-139

Lab Sample ID: 240-51282-2

☐ No Detections.

Client Sample ID: WP-141

Lab Sample ID: 240-51282-3

☐ No Detections.

Client Sample ID: WP-142

Lab Sample ID: 240-51282-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.0	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-32-R

Lab Sample ID: 240-51282-1

Date Collected: 05/21/15 23:04

Matrix: Wipe

Date Received: 05/29/15 10:00

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 11:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		52 - 162				05/29/15 08:43	06/01/15 11:42	1
DCB Decachlorobiphenyl	63		35 - 162				05/29/15 08:43	06/01/15 11:42	1

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# Client Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-139  
Date Collected: 05/22/15 20:05  
Date Received: 05/29/15 10:00

Lab Sample ID: 240-51282-2  
Matrix: Wipe

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		05/29/15 08:43	06/01/15 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		52 - 162				05/29/15 08:43	06/01/15 12:01	1
DCB Decachlorobiphenyl	68		35 - 162				05/29/15 08:43	06/01/15 12:01	1

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# Client Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-141  
Date Collected: 05/22/15 20:07  
Date Received: 05/29/15 10:00

Lab Sample ID: 240-51282-3  
Matrix: Wipe

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	63		52 - 162				05/29/15 12:42	06/01/15 12:20	1
DCB Decachlorobiphenyl	65		35 - 162				05/29/15 12:42	06/01/15 12:20	1

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# Client Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-142  
Date Collected: 05/22/15 20:23  
Date Received: 05/29/15 10:00

Lab Sample ID: 240-51282-4  
Matrix: Wipe

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
<b>Aroclor-1260</b>	<b>1.0</b>	<b>J</b>	2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	71		52 - 162				05/29/15 12:42	06/01/15 12:39	1
DCB Decachlorobiphenyl	71		35 - 162				05/29/15 12:42	06/01/15 12:39	1

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# Surrogate Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Wipe

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (52-162)	DCB2 (35-162)
240-51282-1	WP-32-R	64	63
240-51282-2	WP-139	68	68
240-51282-3	WP-141	63	65
240-51282-4	WP-142	71	71
LCS 240-182851/9-A	Lab Control Sample	55	67
MB 240-182851/8-A	Method Blank	55	62

## Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

TestAmerica Canton

# QC Sample Results

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

## Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-182851/8-A

Matrix: Wipe

Analysis Batch: 183046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 182851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		05/29/15 12:42	06/01/15 10:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	55		52 - 162	05/29/15 12:42	06/01/15 10:19	1
DCB Decachlorobiphenyl	62		35 - 162	05/29/15 12:42	06/01/15 10:19	1

Lab Sample ID: LCS 240-182851/9-A

Matrix: Wipe

Analysis Batch: 183046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 182851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Aroclor-1016	10.0	6.10		ug/Wipe		61	56 - 160
Aroclor-1260	10.0	6.48		ug/Wipe		65	60 - 151

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	55		52 - 162
DCB Decachlorobiphenyl	67		35 - 162

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## QC Association Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

### GC Semi VOA

#### Prep Batch: 182851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-51282-1	WP-32-R	Total/NA	Wipe	3540C	
240-51282-2	WP-139	Total/NA	Wipe	3540C	
240-51282-3	WP-141	Total/NA	Wipe	3540C	
240-51282-4	WP-142	Total/NA	Wipe	3540C	
LCS 240-182851/9-A	Lab Control Sample	Total/NA	Wipe	3540C	
MB 240-182851/8-A	Method Blank	Total/NA	Wipe	3540C	

#### Analysis Batch: 183046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-51282-1	WP-32-R	Total/NA	Wipe	8082	182851
240-51282-2	WP-139	Total/NA	Wipe	8082	182851
240-51282-3	WP-141	Total/NA	Wipe	8082	182851
240-51282-4	WP-142	Total/NA	Wipe	8082	182851
LCS 240-182851/9-A	Lab Control Sample	Total/NA	Wipe	8082	182851
MB 240-182851/8-A	Method Blank	Total/NA	Wipe	8082	182851

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# Lab Chronicle

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

Client Sample ID: WP-32-R

Lab Sample ID: 240-51282-1

Date Collected: 05/21/15 23:04

Matrix: Wipe

Date Received: 05/29/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			182851	05/29/15 08:43	DT	TAL CAN
Total/NA	Analysis	8082		1	183046	06/01/15 11:42	HMB	TAL CAN

Client Sample ID: WP-139

Lab Sample ID: 240-51282-2

Date Collected: 05/22/15 20:05

Matrix: Wipe

Date Received: 05/29/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			182851	05/29/15 08:43	DT	TAL CAN
Total/NA	Analysis	8082		1	183046	06/01/15 12:01	HMB	TAL CAN

Client Sample ID: WP-141

Lab Sample ID: 240-51282-3

Date Collected: 05/22/15 20:07

Matrix: Wipe

Date Received: 05/29/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			182851	05/29/15 12:42	DT	TAL CAN
Total/NA	Analysis	8082		1	183046	06/01/15 12:20	HMB	TAL CAN

Client Sample ID: WP-142

Lab Sample ID: 240-51282-4

Date Collected: 05/22/15 20:23

Matrix: Wipe

Date Received: 05/29/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			182851	05/29/15 12:42	DT	TAL CAN
Total/NA	Analysis	8082		1	183046	06/01/15 12:39	HMB	TAL CAN

## Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TestAmerica Canton

## Certification Summary

Client: CBS Corporation  
Project/Site: Compton, CA

TestAmerica Job ID: 240-51282-1

### Laboratory: TestAmerica Canton

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

\* Certification renewal pending - certification considered valid.

TestAmerica Canton

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TestAmerica Laboratories, Inc.

# CHAIN OF CUSTODY AND RECEIVING DOCUMENTS



240-51282 Chain of Custody



